

Claims

1. Moistening arrangement in a multiple-nip calender (1) for moistening a fibre web (W) to be calendered in a multiple-nip calender, the multiple-nip calender comprising a set of rolls (2) with roll nips (N) between the rolls, the moistening arrangement including a roll means (3) that moistens the fibre web and is located in a pocket (7) adjacent to the line (L) of the set of rolls, the pocket being formed by a space defined by the fibre web (W), one of the idle rolls (5) in the set of rolls and said roll means (3), the fibre web contacting said roll in the set of rolls at two locations, approximately in roll nips on opposite sides of the roll mantle, when viewed from the longitudinal axis of the roll, and circulating around the roll means (3), **characterised** in that the roll means (3) comprises a damping unit (33) and rolls (32) guiding the fibre web (W) relative to the damping unit.
2. Moistening arrangement as defined in claim 1, **characterised** in that the fibre web (W) contacts said roll in the set of rolls in the roll nip located immediately before the reversing nip (N; N3).
3. Moistening arrangement as defined in any of the preceding claims, **characterised** in that the line (L) of the set of rollers is advantageously vertical or at an angle to the horizontal plane.
4. Moistening arrangement as defined in any of the preceding claims, **characterised** in that the roll means (3) comprises a frame, to which a damping unit (31) and rolls (32) guiding the fibre web relative to the damping unit are attached.
5. Moistening arrangement as defined in any of the preceding claims, **characterised** in that the roll means comprises two guide rolls (32), which are located on each side of the frontal face (33a) of the damping unit, in parallel with the longitudinal axis of the damping unit.
6. Moistening arrangement as defined in any of the preceding claims, **characterised** in that the guide rolls (32) consist of a plurality of successive roll sections.

Best Available Copy